

# THE BEELINE

Founded 1908

Volume XXXI, No. 117

February 2007

## **MSBA Winter Meeting Feb 17, 2007**

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## **President's Message**

*by Carol Johnson*

MSBA is looking forward to seeing you at the February 2007, meeting at the Howard County Fairgrounds. This Spring meeting promises outstanding speakers, Dr. Dewey Caron, University of Delaware, Dr. James Tew, Ohio State University and Dr. Larry Connor of WICWAS Press, Connecticut. Its hard to beat a lineup like this.

What also makes this meeting special is the fact that Dr. Dewey Caron, will be retiring in a year. His schedule is such that this may be his last appearance before MSBA. He has made exceptional contributions and support to Maryland beekeepers and the art and science of beekeeping in general. As you all know he enjoys sharing his knowledge and is always available to answer questions. Hopefully, he will be available to sign his books at the meeting.

Join us on Saturday, February 17, 2007, for a meeting you won't forget.

See you there!!



## **Motion to Amend MSBA By-laws --Recommendation of the Executive Board to the Membership**

At the January 12, 2007 MSBA Executive Board meeting, after a second lengthy and serious debate discussing the purpose and value of the proposed amendment to the Association's Constitution and By-laws, a motion was passed, by unanimous vote of the 14 board members present, expressing the Board's strong disapproval of the intent of this amendment. This motion states that it is the Board's recommendation to the membership that this amendment not be passed, and that the Secretary be directed to convey to the membership, in writing, of the most important reasons the Board has taken a position against this proposed amendment. The Board's sentiment is expressed below:

After lengthy debate and serious consideration, the Executive Board of MSBA respectfully recommends that the members of the Association reject the proposed amendment to replace the regional Vice-President's with representatives of the local beekeeping associations, for the following reasons. The intent of the amendment is to place representatives of local associations on the MSBA Board. Yet, this is already permitted and encouraged as stated by the Bylaws, Article I, Section 3: "A President of a local beekeepers' group may be a Second Vice-President. The Second Vice-Presidents may be nominated by lo-

cal beekeeping associations in advance of the annual meeting." As such, this amendment offers no new ideas or advantages, it only adds limitations.

The amendment eliminates representation for MSBA members from the 13 Maryland counties that do not have local associations (Baltimore City, Calvert, Caroline, Cecil, Charles, Dorchester, Frederick, Kent, Queen Anne, Somerset, Talbot, Wicomico, Worcester) and the District of Columbia. The Constitution identifies second vice-presidents to be "...from each region in the state and neighboring areas".

Because the local associations (currently 12) representatives will outnumber the eight MSBA elected officers (President, Vice-President, Treasurer, Secretary, three Directors and EAS Director), the proposed amendment transfers majority control of the Executive Board from the dues paying MSBA members, to the members of local associations who may not be MSBA members or have an interest in MSBA.

Each Maryland beekeeping association is an independent organization. MSBA acts best as an independent association that can represent the statewide interests of beekeepers. Placing MSBA under the control of the local associations eliminates this independence, may cause MSBA to lose its focus on statewide issues and become focused on individual issues of local associations, and ignore issues in counties that have no local associations. The interests of the local associations might also conflict with the best interests of MSBA.

Finally, second vice-presidents have served a long line of MSBA Presidents since 1908. Is there any compelling argument that there is an institutional problem that requires such a drastic and radical restructuring? The Board of Directors sees no evidence of any such problem.

Considering the many major objections described above, the Executive Board believes that the Constitution and By-Laws, while maybe not perfect, should not be changed. This amendment does not add to or strengthen the governing of the association, but weakens it. For these reasons, the Board respectfully asks that the members vote against this amendment.

Respectfully submitted,  
David Morris, Secretary



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Mark your calendars:

## COMING EVENTS

The following events were announced at the MSBA Board meeting . Please note that the dates may be tentative and subject to confirmation of location approvals:

### MSBA MEETING SCHEDULE

#### **MSBA Winter Meeting**

February 17<sup>th</sup>, 2007 - Howard County Fairgrounds

#### **Summer Meeting**

June 16, (Tentative) Harford Community College, Bel Air, Md.

#### **Annual Meeting and Honey Show**

Nov 10, (Confirmed), Md Dept of Ag. Hq, Annapolis, Md.

(Vendors are welcome at meetings. Please notify Carol Johnson, President or David Morris, Secretary one week prior to meeting date. It is requested that vendors donate an item to be a door prize when attending MSBA meetings. )

#### Upcoming Local/

#### National / International Meetings:

**MDA Open House:** March 24, 2007,  
10:00am – 4:00pm; Maryland Department of Agriculture, Annapolis, MD

**EAS 2007** will be held Aug 6 – 10, 2007 at the **University of Delaware, Newark, Delaware.**

**Apimondia 2007** - Sept 9-13, 2007,  
Melbourne, Australia

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Please note: If you Beeline mailing label says- Member Thru: 2006 -- Your MSBA membership is past due. Please mail you \$10 membership dues to Jon Bealer , 702 Monkton Road Monkton, MD 21111-1114

#### *Winter Meeting:*

**Feb 17, 2007**

#### **Directions to the Howard County Fairgrounds.** **West Friendship, MD**

**Via I-70:** Get off I-70 at Exit 80 (Rt. 32 Exit); go south on MD Rt. 32 for 1/8 mile to first traffic light; turn right (west) onto Rt. 144; turn right at crest of hill onto Fairgrounds Road; turn into second entrance; meeting is in the Dining Hall, second building on left

**Via Rt. 32:** Stay on Rt. 32 to West Friendship; turn west (left, if coming from the south) onto Rt. 144, at the traffic light within sight of I-70; turn right at crest of hill onto Fairgrounds Road; turn into second entrance; meeting is in the Dining Hall, second building on left

**From Eastern Shore & Annapolis Area:**  
From Rt. 50, just west of Annapolis, take I-97 North toward Baltimore; exit onto Rt. 32 toward Columbia; follow directions above, *via Rt. 32*

**From NE MD:** Proceed to Baltimore Beltway (I-695); take I-70 west toward Frederick; follow directions above, *via I-70*

#### No Lunch Service ---

**Lunch service will not be arranged for this meeting.** Meeting attendees should plan to bring their own lunch or go to nearby fast food establishments.

Coffee & refreshments will be provided during breaks.

--- but, ---Please join us for Dinner !!!

See p9 -10 for registration form for the Special Tribute Dinner

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## **Diseases & Pests of *Apis Mellifera***

### **Parasitic Mite Syndrome (PMS)**

### **Bee Parasitic Mite Syndrome (BPMS)**

Bee Parasitic Mite Syndrome was first named by The Beltsville Bee Lab to explain why colonies infested with both varroa mites and tracheal mites were not thriving. BPMS was first reported by European beekeepers whose colonies were already stressed by varroa mites. Colonies that are apparently very healthy and productive suddenly experience a sudden decrease in adult population often resulting in the total loss of the colony. Plenty of food stores are often present, but very spotty and unhealthy brood are observed. This phenomenon can occur at any time during the bee year, but is most often experienced in the autumn. To prevent the typical autumn die-off associated with BPMS, it is critical to control the varroa mite infestations earlier in the beekeeping year. In a survey conducted at Beltsville Bee Lab, it was reported that 28% of the colonies diagnosed with BPMS contained both varroa mites and tracheal mites. However, it is believed that varroa mites are the principal mite species associated with syndrome. No specific pathogen has yet been identified. **BPMS mimics other diseases.** It may be connected with the vectoring of one or more viruses by both mites, such as acute bee paralysis virus or Kashmir virus. It has been shown that **varroa mites transmit viruses that can be more devastating than their own feeding activities.**

#### Symptoms of BPMS found in brood:

1. Varroa mites are present
2. Tracheal mites may be present.
3. Spotty brood pattern, (one reason may be that hygienic bees removed the cappings and removed the dead larva)
4. Dead brood may be seen anywhere on the comb, in all stages of development, with a mixture of symptoms present that may suggest one of several diseases depending which individual larva is inspected. (AFB, EPB, sac brood)
  - a. Typical of EFB: young dead brood appear twisted and brownish in color and look deflated
  - b. Typical of AFB: older dead brood not ropy, but may have scale that is not brittle and is easier to remove than typical AFB scale.
  - c. BPMS specific: Dead larvae that were originally a dull white color may eventually develop gray or brownish spots.
5. Dead brood lacks the distinctive odors of either AFB or EFB.

#### Symptoms of BPMS found in adult bees:

1. Varroa mites are present.
2. Tracheal mites may or may not be present.
3. Reduction in adult population.
4. Queen superseded more than normal.
5. Crawling, unhealthy adult bees with deformed wings in hive and at the entrance. (DeformedWing Virus)
6. No predominant disease bacteria present

#### The following treatments have been effective:

1. Feed colonies with Teramycin I: I sugar syrup.
2. Feed colonies with fumagillin,
3. Feed colonies pollen substitutes.
4. Treat for tracheal mites with vegetable oil patties.
5. Treat colonies with Apistan Strips.
6. Use resistant bee stock (e.g.Buckfast, Hygienic)
7. Breed queens from colonies that appear to have some resistance to mites.

## MARYLAND STATE BEEKEEPER'S ASSOCIATION

One confusing issue is that feeding Terramycin in sugar syrup is not known to be an effective treatment against viruses, nor is it the industry approved method of dispensing Tenamycin. Further research does show that Terramycin in sugar syrup is a much more effective method to feed the bees - but only in small one-day dosage size amounts. After one day the effectiveness of the medication in solution is seriously degraded and is of much less benefit than the more traditional powdered sugar feeding method. However, in this case, it assists in making symptoms disappear, as does the use of Apistan Strips (fluvalinate).

Integrated Pest Management (IPM) will definitely be a key to defeating this disease.

Not a lot has been published concerning BPMS up to date, but for a layman's non-academic synopsis I recommend Dr. Caron's book *Honey Bee Biology and Beekeeping*, chapter 20 Box 45. It is written in a style that is easy for the hobby beekeeper to read and understand.

### Primary Reference:

Caron, Dewey M. 1999. *Honey Bee Biology and Beekeeping*. Wicwas Press Cheshire, CT

### References:

Delaplane, Keith S. 1996. *Honey Bees & Beekeeping A Year In The Life Of An Apiary*. University of Georgia Cooperative Extension Service

Collison, Clarence. 2003 *What Do You Know?* The A.I. Root Co. Medina, OH

Sammataro and Avitable. 1998. *The Beekeeper's Handbook*. Cornell University Press. Ithaca, NY.

Penn State College of Agricultural Sciences. 1999. *Honey Bee Parasites, Pests, Predators and Diseases*

Information compiled by Beekeeper Lonnie E. Campbell of The Loudoun Beekeepers Association.

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### **Ernie's Apiaries is going out of Business.**

Liquidation of inventory is ongoing, with final sale to be held on Feb 24th beginning at 10am.

Equipment to be sold includes virtually all kinds of woodenware and other beekeeping gear. Cash and carry only.

Address of sale is at 9933 Kelly Road, Walkersville, MD. For inquiries call Ernie's son, Dave Miner at 301-606-4745, or send email to:

BeesKneesBL@xemaps.com

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*Please Attend, Feb 17, 2007*

***Winter Meeting & Dinner...!!***

### **Winter Meeting Weather Policy**

In the event of a major winter storm, listen to WBAL (AM 1090) or WTOP (AM 1500) for announcements. If a Snow Emergency Plan is in effect in Howard County, then the meeting is canceled. The Howard County Fairgrounds was selected as the site for our Winter Meeting largely because it is easily accessible in mild winter weather.

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Maryland State Beekeepers' Association  
Winter Meeting  
February 17, 2007  
Howard County Fair Grounds, West Friendship, Md.

8:30am	Refreshments, Coffee, Donuts, etc.	
9:30am	Opening and Welcome	Carol Johnson President, MSBA
9:45am	Md. Apiary Inspector's Report	Jerry Fischer Md. State Inspector
10:15am	Queen Quality: Food, sex, drugs, and the prolific queen!	Dr. Larry Connor WICWAS Press, Conn.
11:15pm	Business Meeting Motion to amend MSBA Constitution	Carol Johnson President
11:45pm	Lunch	
1:00pm	Preparing for Spring: Give your bees their marching orders.	Dr James Tew Ohio State University
2:00pm	Beekeeping Today: How we got to where we are now!	Dr. Dewey Carron Univ. of De.
2:45pm	Break	
3:00pm	Backyard Queen Management: Productive queen pampering	Dr. Larry Connor WICWAS Press, Conn.
4:00pm	Ask the Experts	Dr. Carron Dr. Connor Dr. Tew
4:45pm	Adjourn	

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Speakers:

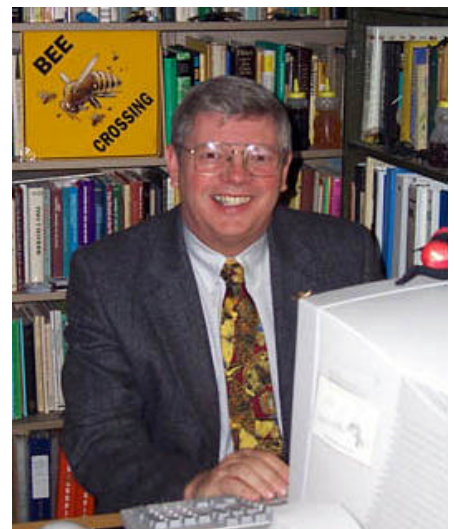
**Dr. Larry Connor**, owner of WICWAS Press, has recently published his book “Increase Essentials”. He also has edited and published a number of beekeeping books, including Robert Berthold’s “Beeswax Crafting” and Dewey Caron’s popular “Honey Bee Biology & Beekeeping”. You probably have seen his recent series of articles about the under-appreciated role of drones in the success of the hive and, of course, reproduction. The queen, the center of the hive, is easily replaced by the hive only in the spring and summer. But a poor quality queen from an uncontrolled replacement can place your hobby or business on its ear. At this meeting Dr. Connor will explore the world of the queen, what makes a good queen, how to make a good queen, and how to take care of her.



**Dr. James Tew** (photo left) is the extension and research apiculturist at the Honey Bee Laboratory, Ohio Agricultural Research and Development Center (at Ohio State University at Wooster). Maryland can lay its own claim to Jim since he received his PhD from the University of Maryland, College Park! A noted speaker and author on beekeeping, his latest books are “Backyard Beekeeping” and “Beekeeping Principles”. An engaging and interesting speaker, Jim will address the steps beekeepers need to take in the spring to prepare their bees for our short, intense, spring nectar flow. Be prepared for a great talk.

Currently a professor of Entomology at the University of Delaware, and former professor of entomology at the University of Maryland, **Dr. Dewey Caron** (photo right) is a noted speaker and author on beekeeping. A frequent speaker at MSBA meetings and a great friend and supporter of Maryland beekeepers, Dewey will discuss the current condition beekeepers find themselves in today and how it came to be.

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**WE CARRY A FULL  
INVENTORY OF  
EQUIPMENT  
FOR ALL YOUR  
BEEKEEPING NEEDS.**

*From the editor...*

## Bee Hive Registration:

Registration of honey bee colonies is required by Maryland Law. This requirement was initially established to track colonies for the control of American Foulbrood and is vital to the state's Apiary Inspection Program. More recently the State Apiary Inspection Office has been at the fore-front of identifying and aiding in the control of other apiary pests such as Varroa mites, and the Small Hive Beetle; investigating the impact of these pests and making the appropriate applications for pesticide use; as well as working on policies for dealing with Africanized Bees on a regional basis. The Apiary Inspection Office also helps beekeepers in other ways by maintaining lists of beekeepers who sell honey, or are interested in swarm removal (... have you checked the price of package bees lately?), and operates the EO chamber

The Apiary Inspection Office needs your support and here's how you can help:

- 1.) Send in your registration form, if you have not already done so. The response of known beekeepers so far this year has been exceptionally poor. MDA plans on making a second mailing, but frankly, their need to do so takes additional funds out of their budget and should not be necessary if every beekeeper would do their part.
- 2.) We have noted in the past that the donations to the Apiary Enhancement Fund has enabled the funding of contractual inspectors. Your voluntary donations help sustain this program and make the efforts of the Apiary Inspection office more competitive for state funding than other activities that are less self-supporting. Please forward your donation to the Apiary Enhancement Fund and send to Jerry Fischer at MDA.
- 3.) Consider volunteering to help with the MSBA display at the MDA Open House.

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**Maryland State Beekeepers Association**  
**DINNER ANNOUNCEMENT & RESERVATION FORM**  
**Tribute to Dr. Dewey M. Caron, Ph.D.**

Join the members of the Maryland State Beekeepers Association on Saturday, February 17, 2007, after the general meeting to honor, Dr. Dewey Caron. Dewey will be retiring in a year and MSBA wants to thank him for his EXCEPTIONAL contributions and support to Maryland beekeepers and the art and science of beekeeping in general. We are attempting to keep this under our beekeeping veils...**so please do not mention this to him**. He will be one of our guest speakers.

Location: The Howard County Fairgrounds Dinning Hall  
The General Meeting will be held in the newly renovated 4-H Hall a couple of buildings over from our usual meeting place.

Time: Immediately following the general meeting.

Cost per person: \$23.00 - members and guests welcome.

**DINNER MENU**

Hor d' Oeuvres' - Cheese Tray and Vegetable Tray

Entrées:

- Baked Chicken;
- Pit Roasted Top Round of Beef; or a
- Vegetarian Dish

Vegetables - AuGratin potatoes, Green beans and Corn

Salad - Tossed

Dessert - Carrot Cake

Beverages - Ice Tea and Coffee

Dinner reservations must be received no later than  
**Monday, February 5, 2007.** (See reverse side for mail-in form)

**Reservation form:      Return with Payment**

Payment Rec-d \_\_\_\_\_

Check # \_\_\_\_\_

No in party \_\_\_\_\_

**Maryland State Beekeepers Association  
DINNER RESERVATION FORM  
Tribute to Dewey M. Caron, Ph.D.**

Please complete this form, include payment of \$23.00 per person and mail to Jonathan Bealer, Treasurer, **no later than February 5, 2007.**

NAME: \_\_\_\_\_ # IN PARTY \_\_\_\_\_

Entrée Selection: # Chicken \_\_\_\_\_; # Beef \_\_\_\_\_ or # Vegetarian \_\_\_\_\_

**(If you order a vegetarian dinner : You will need to let the caterers know you ordered vegetarian when they serve your dinner. )**

ADDRESS: \_\_\_\_\_  
\_\_\_\_\_

PHONE #: \_\_\_\_\_

E-MAIL ADDRESS \_\_\_\_\_

AMOUNT ENCLOSED \_\_\_\_\_

**Mail to:            JONATHAN BEALER, TREASURER  
                      702 Monkton Road  
                      Monkton, MD 21111-1114**

Questions call: Carol Johnson, Pres. 301-432-6413

Would you like to share any personal stories about Dewey? Please send with your reservation form or bring to the meeting

## NEWS FROM THE APIARY INSPECTORS OFFICE

Jerry E. Fischer Sr., State Apiary Inspector,  
Maryland Department of Agriculture  
Phone: 410-841-5920 Cell: 410-562-3464 Fax: 410-841-5835  
E-mail: [fischeje@mda.state.md.us](mailto:fischeje@mda.state.md.us)

**MITE CONTROLS:** The product Api Life Var, which has been a Special Exemption Section 18 control, acquired through the Maryland Department of Agriculture will now become a Section 3 product.

There will still be a filing for Special Exemption Section 18 for Check Mite+, made available for your use.

There are now several controls available for mites, and it is recommended surveying your colonies for mite threshold levels and altering controls during year to keep from building up resistance.

When using any control for mite infestation, PLEASE use as prescribed by label only.

**NUC PRODUCTION:** It is essentially important that any one producing NUC'S for sale (even in state) contact the Inspection Office prior to March 1<sup>st</sup>, 2007. To protect the purchaser and the industry, all apiaries of NUC production and final NUC's must be inspected prior to pick-up. If you purchase a NUC in state, see that it contains a inspection certificate.

**MDA OPEN HOUSE:** The MDA will again hold an open house, on March 24, 2007, 10:00am – 4:00pm. There will be something for everyone of all ages. Each division or section will have a display, hands on demonstration of the function of that unit. There will be many commercial and private exhibits of every commodity in agriculture. A petting area of animals for the little ones. Food booths for the hungry.

The Apiary Section will be very active with an observation hive, a swarm (weather permitting), THORNE the AFB dog and extracting honey demonstrations through out the day. If you are free that day and would like to assist in these demo's, contact Jerry Fischer 410-562-3464.

**AHB:** It is recommended that Beekeeping Short Courses, have a section topic on the AHB for familiarity. If the coordinator of the course needs (lesson plan) materials video's, contact the inspection office.

**HIVE STICKERS:** Starting with the inspections in 2007, hive stickers will only be placed on colonies that are either crossing state lines for pollination, Nuc and out of state sales. Hives that generally remain in one location year round will not be stickered.

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*Wayne's World:*

***.... Don't be surprised if your Fellow Beekeeper admits to joining Weight Watchers!***

At the November meeting Wayne Esaias peaked the interest of MSBA members by relating his nectar flow data's correlation to climate change. He monitors nectar flows by weighing hives and noting the weight gains/loss that signal the start/stop of nectar flows and has been working to reconcile his observations with environmental and climatic change.

He suggested that interested beekeepers could join him in his efforts by monitoring a hive in their apiary with a hive scale and recording the hive weights.

At the January MSBA Board meeting, Wayne presented a map showing a good response from beekeepers with 14 Scale Hive locations being monitored for Spring 2007.

If you are interested in participating, you will need to acquire a suitable scale, usually obtained at auctions or farm sales. Then contact Wayne at 301-854-3180 for details as to record-keeping and observations required by this study.

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## MARYLAND STATE BEEKEEPER'S ASSOCIATION

### **2007 MSBA OFFICERS & DIRECTORS:**

President: Carol Johnson (301) 432-6413  
1<sup>ST</sup> Vice President: Adele Morris (301) 725-6185  
Secretary: David Morris (301) 725-6185  
Treasurer: Jon Bealer (410) 357-9166  
MD EAS Director: David Morris (301) 725-6185  
**Directors:** **Past Presidents:**  
Marc Hoffman (301) 585-7601 David Smith (410) 556-6222  
Greg Clark (301) 934-6080 Barry Thompson (301) 947-4652  
Paul Dill (302) 249-1866 Dean Burroughs (410) 546-2910

### **COUNTY VICE PRESIDENTS:**

Anne Arundel: Lloyd Luna (410) 757-5797  
Allegany: David L. Hall (301) 729-8220  
Baltimore: Jerry Fischer (410) 841-5920  
Baltimore City: Bob Crouse (410) 265-7999  
Calvert: Bob Cory (301) 855-8431  
Caroline: Paul Dill (302) 249-1866  
Carroll: Steve McDaniel (410) 239-7496  
Charles: vacant  
Cecil: Jeff Powell (410) 392-5985  
Dorchester: Oliver Collins (410) 943-3448  
Frederick: vacant  
Garrett: Madonna Poole (301) 334-7670  
Harford: John Knapstein (410) 692-9823  
Howard: Wayne Esaias (301) 854-3180  
Kent: Matt Redman (410) 778-2385  
Montgomery: Kameha Bell (240) 893-2483  
Prince George's: Toni Burnham (202) 255-4318  
Queen Anne's: Vacant  
Somerset: George Dreyer (410) 623-2221  
St Mary's: Harry Dalton (301) 475-8224  
Talbot: Winslow Womack (410) 745-9589  
Washington: Carl Kahkonen (301) 432-1906  
Wicomico: Dean Burroughs (410) 546-2910  
Worcester: Wes Townsend (410) 641-1030  
Washington D.C. Stanley Nesheim (202) 244-8794

### **LOCAL BEEKEEPING ASSOCIATIONS:**

ALLEGHENY MOUNTAIN BEEKEEPERS ASSOC.  
President: David Hall Telephone: (301) 729-8220  
ANNE ARUNDEL COUNTY BEEKEEPERS ASSOC.  
President: Lloyd Luna Telephone: (410) 757-5797  
APPALACHIAN BEEKEEPERS ASSOCIATION  
President: Jerome Cassidy Telephone: (301) 334-8631  
ASSOC. OF SOUTHERN MARYLAND BEEKEEPERS  
President: Tomas Williams (301) 884-5230  
BOWIE-UPPER MARLBORO BEEKEEPERS ASSOC.  
President: Scott Seccom Telephone (301) 725-6185  
CARROLL COUNTY BEEKEEPERS ASSOCIATION  
President: Patrick McGregor Telephone (410) 239-0957  
CENTRAL MARYLAND BEEKEEPERS ASSOC.  
President: David Papke Telephone: 717-246-2339  
EASTERN SHORE BEEKEEPERS ASSOC.  
President: Paul Dill (800) 573-1713  
HOWARD COUNTY BEEKEEPERS ASSOC.  
President Allen Hayes Telephone (410) 489-2835  
HAGERSTOWN VALLEY APIAN SOCIETY  
President: Carl Kahkonen Telephone: (240) 217-4083  
MONTGOMERY COUNTY BEEKEEPERS ASSOC  
President: David Bernard Telephone: (301) 414-2317  
SUSQUEHANNA BEEKEEPERS ASSOCIATION  
President: John Knapstein Telephone: (410) 692-9823

### **MDA OFFICE OF APIARY INSPECTION**

Jerry Fischer (410) 562-3464

### **MSBA HOME PAGE:**

<http://iaa.umd.edu/mdbee/main/home.html>

Jon Bealer (410) 357-9166

### **BEELINE EDITOR:**

John D. Moyer (410) 923-0190

[jmoyer28@comcast.net](mailto:jmoyer28@comcast.net)

## THE BEELINE

???

John D. Moyer, Editor  
713 Doages Dr.  
Millersville, MD 21108



Address corrections requested

PLEASE POST

## Montgomery County Beekeepers Association



# LEARN TO BE A BEEKEEPER!

**2007 Introductory Beekeeping Class  
Begins March 1**

At Holiday Park  
Sr. Center  
3950 Ferrara  
Drive  
Wheaton,  
Maryland  
Near Veirs Mill



- ∞ Register in advance.
- ∞ Course materials fee  
\$45 includes text,  
annual dues and  
handouts
- ∞ 7 sessions:
  - 5 Thursday evenings,  
March 1-March 29,  
7:00-9:00 pm
  - 2 Saturdays, Mar. 31

Registration: [www.MontgomeryCountyBeekeepers.com](http://www.MontgomeryCountyBeekeepers.com)

Or call 301 414-2317



EAS 2007

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## Eastern Apicultural Society

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### 2007 Home

Short Course  
Hobbyist  
Sideline

Main Conf &  
Workshops

Speakers

Competitive  
Shows

Social Activities

Maps / Lodging /  
Directions

About UD

UD Beekeeping  
Course

## EAS 2007, University of Delaware, Newark, Delaware, August 6-10 2007

The Eastern Apicultural Society of North America was established in 1955 with the purpose of promoting honey bee culture, the education of beekeepers, and excellence in bee research. Every summer, EAS conducts its annual conference in one of its 22 member States/Provinces. About 500 people, from around the world, attend this conference every year.

You must be a member of EAS in order to participate in the Short Course, Conference, or other activities. Dues may be paid with your conference or short course registration. Additional [membership information](#) is available on this web site.

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2007 EAS Short Course & Conference  
Aug 6-8 Short Course Aug 8-10 Conference 2007  
University of Delaware Clayton Hall Conference Center



The 52nd Annual EAS Conference with Short Course will be August 6-8 and Conference will be August 8 through August 10, University of Delaware, Clayton Hall Conference Center (Laird Campus), Newark Delaware.

The **Beekeeping Short Course** will be Aug 6-8. Lecture sessions will be in the Pencader Hall adjacent to the Clayton Hall Conference Center. Participants may stay in inexpensive adjacent dorms or in full-service Courtyard by Marriott Hotel also immediately adjacent to the Center. [There are a host of additional chain motels/hotels within a 2-3 mile driving distance – see [Lodging](#) for a listing]. Bee sessions will be in the University of Delaware Apiary with Master beekeeper Wrangler Bill Troup with State apiary Inspectors Bob Mitchell (DE), Don Hopkins (NC) and Jerry Fischer (MD) assisting.



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There will be one Hobbyist level SC and 2 tracks of a Sideline Short Course. The presenters will include Larry Connor, author and Wicwas Press Publisher, David Tarp, No. Carolina State University, Maryann Frazier of Penn State University, Clarence Collison of Mississippi State University, John Skinner of University of Tennessee and many more. Full schedule is now available for the [Hobbyist Short Course](#) and the [Sideline Short Course](#).

The **EAS Conference** will begin on Wednesday and extend through Friday afternoon. There will be dual tracks of presentations in the AM and a host of workshops to select from in the Afternoon. Bees will be on site. Speakers include James Tew, Ohio State University, our Hambleton and student award winners, Jeff Pettis, USDA, Dennis vanEngelsdorp, Penn Dept Ag, and other renown bee researchers, apiculturists, Master beekeepers and beekeeping experts from near and far. Full program will be posted in Fall 2006 to this website.

**UD Beekeeping  
Course**

The EAS Conference is about Fun too. We will have a Honey/Bee Products Competitive Show, the popular Honey Exchange, a Bee Bawl social [you need to wear something "bee" to be included – prizes for top bee apparel items], our popular BBQ with auction following [many unique one-of-a-kind Bee Items will be featured], and our closing Banquet and Awards ceremony. Meet and get to know the beekeepers in your state or region and the authors you read in the bee journals. EAS is one of the largest, and we think the bee-friendliest conference the entire year.

We are hard at work improving on past Short Courses and Conferences. If you have attended before you won't want to miss this one – if you have never attended you are in for a treat. YOU WON'T BE DISAPPOINTED!! On behalf of the Delaware beekeeper hosts, the University of Delaware and EAS let us say WELCOME – we want to SEE YOU at EAS 2007 in DELAWARE.

Ben Bauer, EAS 2007 President  
Dewey Caron, EAS 2007 SC/Program Chair  
John Tulloch, DE Beekeeper & EAS Treasurer

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Posted September 2006

**EAS 2007 Sampler: from <http://www.easternapiculture.org/programs/2007/conf.shtml>**

Editor note: This section highlights the EAS 2007 Program at the University of Delaware

Go to the website noted above to get full details including the agenda for Sideline Beekeepers; Workshops; and the list of Speakers and Presenters at the Conference.

This Sampler s provided to “whet your appetite” for the excellent program and venue at UD.

The best aspect is that the program is “right next door” at Newark, Delaware





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## 2007 EAS SHORT COURSE Hobbyist - Intermediate Beekeeper

[\[Jump to Short Course-Sidelineers\]](#) [\[Jump to Main Conference & Workshops\]](#)

### MONDAY AUGUST 6, 2007

8:30 AM **BASICS OF BEE BIOLOGY** – Dewey Caron, Univ of Delaware

9:15 AM **WHAT IS THE BEST BEE/APIARY LOCATION?** – Larry Connor, CT Wicwas Press

10:30 AM **BEEKEEPING IN THE SPRING** – John Skinner, Univ Of Tennessee

11:15 AM **PREPARING BEES IN FALL TO OVERWINTER** – Maryann Frazier, Penn State U

### LUNCH

1:00 PM **BEE PRODUCTS: ALL YOU NEED TO KNOW** – Clarence Collison, Miss State Univ

1:45 PM **GO TO APIARY**

**PROCESSING BEE PRODUCTS LAB** – Ann Harman, EAS M B & Bob Mitchell  
**BEES UP CLOSE - INSIDE THE HIVE** – with Bill Troup, Don Hopkins & EAS Master Beekeepers - (How to open & inspect, Seasonal management, Removing Honey, Find/evaluate Queens)

**DINNER** – on your own – visit local restaurant

### MONDAY EVENING (joint session)

7:00 PM **CURRENT TRENDS AND ISSUES IN APICULTURE** – Jim Tew, Ohio State University

8:00 PM **Q & A – PANEL of EXPERTS!** – Larry Connor, Maryann Frazier, C. Collison & others

### TUESDAY AUGUST 7, 2007

8:00 AM **TWO BIG MANAGEMENT CHALLENGES:** -  
**HALTING SWARMING** – Dewey Caron, Univ of Delaware

**HONEY BEE STOCK – DIFF & APPLIC – D. Tarpy, No Carolina State University**

**BREAK**

10:00 – 12:10 **IN THE APIARY** – w/ Bill Troup, Don Hopkins & Master Beekeepers  
(Looking for and solving problems, Finding & Marking queens, Assessing colony strength, & mites/diseases)

**LUNCH**

1:30 PM **CHALLENGES TO SOLVE FOR SUCCESS**

**BEE MITES** - Jennifer Berry, Univ of Georgia

**COLONY FOR DISEASES** – Robert Mitchell, Del Dept Ag

**BREAK** (Individual Q & A)

3:00 PM **ABC's OF MARKETING BEE PRODUCTS** – Kim Flottum, EAS Board  
Chairman, Editor Bee Culture Mag

4:00 PM **DISEASE: DOES APIARY LOCATION MATTER?** - Dennis vanEngelsdorp,  
PA Dept Ag

4:30 PM **TRANSITION TO MAKING MONEY?** – Kent Williams, KY

**DINNER** - on your own

**EVENING SOCIAL** (joint session)

**WEDNESDAY AUGUST 8, 2007**

*NOTE: Joint Session with sideliners short course and early-bird conference attendees  
Conference attendees are invited to attend all Wednesday Short Course sessions.  
Afternoon Short Course sessions run in parallel with the Main Conference session.*

8:00 AM **CHOOSING & TIMING CHEMICAL TREATMENT FOR DISEASE/MITE  
CONTROL** - Dennis vanEngelsdorp, Pa Dept Ag

9:00 AM **MITICIDE EFFECTS ON QUEEN/DRONE PHYSIOLOGY** – Lisa Burley, VPI  
**OR**

8-10:00AM **LEARNING FROM OTHERS** – Claire Waring & Michael Badger, ENG;  
Michael Young, No. Ireland

10:00 AM **BREAK**

10:30 AM **WHY ARE QUEENS FAILING?** - Jeff Pettis, USDA, Beltsville, MD

11:15 AM **ORIGINS OF BEE MITES** – Diana Sammataro, USDA, Tucson, AZ

**OR**

10:30 AM \_\_\_\_\_ **TBA** \_\_\_\_\_ - Hambleton or student award winner

11:15 AM **FACTORS IMPROVING COLONY SURVIVAL** – Nancy Ostiguy, Penn State  
Univ

12:00 **LUNCH**



**BREAK**

10:00 AM **FARMING FOR NATIVE POLLINATORS** – Faith Kuehn, DE Dept Ag

10:45 AM **TBA**

**OR**

10:00 AM **UPDATE ON GA BEE MITE STUDIES** - Jennifer Berry, U of GA, Past-President EAS

10:45 AM **WHAT OTHER COUNTRY BEEKEEPERS CAN TEACH US** – Mike Embrey, U MD

11:15 AM **PROMO for Next Year + EAS Business Meeting**

**LUNCH**

**FRIDAY afternoon workshops**

1:30 -2:30 PM

1. Nucs/splits the easy way - Kent Williams, KY
2. Farming native pollinators – Faith Kuehn & Heather Harmon, DE
3. Beeswax – cappings to candles - Cecil Sweeney & Kristi Sanderson, KS
4. Bee Removal my way - Cindy Bee, GA
5. Beekeeping o'er there – Michael Badger, ENG
6. IN THE APIARY – w/ Warren Seaver, DE

2:30-3:30 PM

1. Formic acid for deep and inbetween region overwintering - Robyn Underwood, PA
2. Getting fit for the beehive "Olympics" – Joanne Thomas, NY
3. Farmer/Partner & Research SARE grants – Maryann Frazier, PA
4. Soap – Landi Simone, NJ Mber
5. Nucs – Mike Palmer, VT
6. IN THE APIARY – w/ Dean Burroughs & Jerry Fischer

**BREAK**

4:00-5:00 PM

1. Equipment of a MB – Allen Hayes, MD Master Beekeeper (EAS newest MB)
2. Photographing the perfect swarm – Bill Monjack, PA Master Beekeeper
3. Getting Youth Involved in Beekeeping - Bill Owens, GA Master Craftsman Beekeeper
4. Trapping & IDing Native bees – Cathy Stragar, UD student
5. Labelling & Packaging Products - Joli Winer, Mid-Con, KS
6. Mastering – Beekeeping & Gardening - Doris Payne + Mike Embrey, MD + Jim Bobb, PA

**FRIDAY EVENING** - Awards banquet

[\[Jump to Short Course-Hobbyist/Intermediate\]](#) [\[Jump to Short Course-Sideline\]](#)



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## 2007 EAS Conference & Workshops

[\[Jump to Short Course-Hobbyist/Intermediate\]](#) [\[Jump to Short Course-Sideliner\]](#)

### WEDNESDAY AUGUST 8, 2007

*NOTE: Conference attendees are invited to attend all Wednesday Short Course sessions. Afternoon Short Course sessions run in parallel with the Main Conference session.*

1:30 PM **WELCOME TO DE & UNIVERSITY** – Ben Bauer & guests

1:45 PM **EAS - LOOKING BACK & TO THE FUTURE** – Kim Flottum, editor Bee Culture Mag & EAS Chairman of Board

2:30 PM **BREAK**

3:00 PM **TBA** – Hambleton Award winner

3:45 PM **WHERE IS THE AHB & WHAT ARE THEY DOING?** Dewey M. Caron, U of DE

4:30 PM **BEE MATING BIOLOGY** – Dave Tarpy, NC State U

### WEDNESDAY EVENING

Bee Bawl & exhibition – awards for best Bee hat/bonnet, shirt, blouse, shorts, socks, pins and what-all

### THURSDAY AUGUST 9, 2007

Session 1

8:00 AM **POST-DOC RESEARCH AT CORNELL** - Heather Mattila (past Foundation grant recipient)

9:00 AM **EFFECTS OF QUEEN MATING ON SUPERSEURE RATES IN BEES** - Dave Tarpy (EAS Foundation lecture)

**OR**

Session 2

8:00 AM **SMALL HIVE BEETLE SAMPLING & CONTROL** - Jeff Pettis, USDA Beltsville

9:00 AM **SPERM STORAGE & REPRODUCTION** - Anita Collins, USDA, ret

10:00 AM **BREAK**

Session 1

10:30 AM TBA - student Award winner

11:15 AM **VIRUSES - ARE THEY THE REAL ISSUE?** - Diana Cox-Foster, Penn State University

**OR**

Session 2

10:30 AM **VALUE-ADDED HONEY & BEE PRODUCTS** - Joli Winer, Mid-Con, KS

11:15 AM **GETTING THE BEST MELOMEL MEAD** - Ken Schramm, MI

**THURSDAY afternoon workshops**

1:30-2:30 PM

1. Dennis vanEngelsdorp, PA - Drone removal with the 2-queen system
2. Ken Schramm, MI - So you want to make mead?
3. Landi Simone, NJ - Lip Baum & easy lotions for value-added product
4. Cecil Sweeney, KS - Making creamed and infused honey
5. Frank Marro, DE - Handling bee sting allergies
6. IN THE APIARY w/ Warren Seaver, & Bob Mitchell DE

2:30-3:30 PM

1. Lloyd Snyder, MD - Making award winning mead
2. Nancy Ostiguy - Teaming bee research with beekeeper outreach
3. Dave Pergamon, NJ - Bee Equipment
4. Bill Owens GA - Starting a Bee Removal Business
5. Ernesto Guzman, Can - Selective breeding
6. IN THE APIARY w/ John Skinner, TN

**BREAK**

4:00-5:00 PM

1. Jim Bobb, PA - Bee plants
2. Dean Burroughs, MD - Transition from hobbyist to sideliner
3. Kent Williams, KY - Moving bees on smaller scale for the sideliner/hobbyist
4. Lisa Jager, CO - Nat Honey Board
5. Paul Dill & Betty Gilman, DE - Beeswax and bee products
6. Panel - Keeping organizations going - Joanne Thomas LI + Jim Bobb, PA + Billy Davis, VA

**THURSDAY EVENING** - Evening meal and B auction with snacks

**FRIDAY AUGUST 10, 2007**

8:00 AM **Bt CROPS SAFEGUARD BEES AND US** - Chuck Mason, U of Delaware

8:45 AM **BASICS OF COOKING WITH HONEY** - Michael Young, IRE

**OR**

8:00 AM **OVERWINTERING USING FORMIC - NORTH & MID-ATLANTIC** - Robyn Underwood, PA

8:45 AM **OVER WINTERING INCREASE COLONIES** - Mike Palmer, VT

**BREAK**

10:00 AM **FARMING FOR NATIVE POLLINATORS** – Faith Kuehn, DE Dept Ag

10:45 AM **TBA**

**OR**

10:00 AM **UPDATE ON GA BEE MITE STUDIES** - Jennifer Berry, U of GA, Past-President EAS

10:45 AM **WHAT OTHER COUNTRY BEEKEEPERS CAN TEACH US** – Mike Embrey, U MD

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**LUNCH**

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**FRIDAY EVENING** - Awards banquet

[\[Jump to Short Course-Hobbyist/Intermediate\]](#) [\[Jump to Short Course-Sideline\]](#)

## **Local news:**

***Eastern Shore Bee Association*** will be meeting on the 3rd Tuesday of the month at 310 S Hanson St. Easton.

Contact: [cuphoff@goeaston.net](mailto:cuphoff@goeaston.net)  
[PaB192@aol.com](mailto:PaB192@aol.com)

or call Paul Dill (302)249-1866

## **BUMBA CALENDAR:**

Our regular meetings are held on the 1<sup>st</sup> Thursday of the even months (except December) at the Watkins Park Nature Center, 301 Watkins Park Drive in Largo

Feb 1, 7:30 PM; Regular Meeting

Feb 17, MSBA Winter Mtg., Howard Co Fair

Feb 24, Mentoring visits

March 22, 7:00 PM; Short Course

March 29, 7:00 PM; Short Course

April 5, 7:30 PM; Regular Meeting

April 7, 10 – 2 PM, Field Day, Bob Cory's apiary

April 12, 10 AM; Short Course

April 14, 10 – 4 PM, Short Course Field Day

May 12, Amazing Animal Fest, Bladensburg

June 7, 7:30 PM; Regular Meeting

June 16, 9:30 AM, MSBA Harford CC, Belair

August 2, 7:30 p.m.; Regular Meeting

August 6-10, EAS Delaware

Sept 22, Mentoring visits

Oct 5, 7:30 PM; Regular Meeting

## **Free State Bees**

2420 Mill Hill Rd  
Waldorf, MD 20603

Tel : 301-580-9313

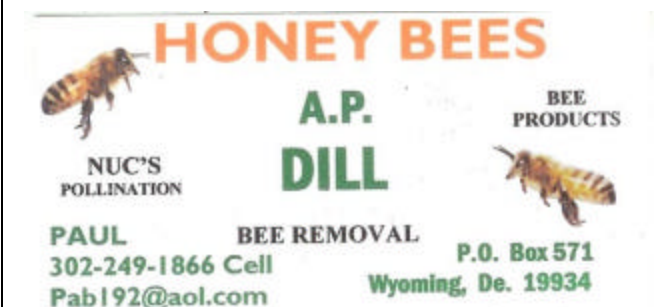
Email : [freestatebees@gmail.com](mailto:freestatebees@gmail.com)

Package bees are available in early April from Free State Bees. A 3-lb package with an Italian queen is \$61 and a 3-lb package with a Russian queen is \$64.

We also stock beekeeping equipment and supplies for beginners and experienced beekeepers. We still have local and sourwood honey for sale, too.

During March and April, the store will be open from 9am to 2pm on Saturdays (Mar 17, 24, 31, and Apr 7 and 14). We're also available at other times by appointment--please be sure to call ahead to set up a time to visit! As always, thanks for your continued support!

Contact Dave or Laura Polk at 301-580-9313.



**HONEY BEES**

**A.P. DILL**

**BEE PRODUCTS**

NUC'S POLLINATION

BEE REMOVAL

PAUL 302-249-1866 Cell  
Pab192@aol.com

P.O. Box 571  
Wyoming, De. 19934



# MARYLAND STATE BEEKEEPER'S ASSOCIATION

## SNYDER'S APIARIES

4747 Norrisville Road, White Hall, MD 21161

(410)329-6671 or Email [SnydersApiaries@clearviewcatv.net](mailto:SnydersApiaries@clearviewcatv.net) or coming soon [www.SnydersApiaries.com](http://www.SnydersApiaries.com)

Woodware	1-4	5-9	10-15	16 & UP	Foundation	Each
Hive Body	\$15.60	\$14.90	\$14.20	\$13.20	Hive Body Duragilt	\$1.00
Hive Body w/Wood Frames	\$23.20	\$22.30	\$21.40	\$20.55	Illinois Duragilt	\$ .80
Hive Body w/Plastic Frames	\$32.00	\$30.70	\$29.40	\$27.80	Shallow Duragilt	\$ .75
Illinois Super	\$11.75	\$11.20	\$10.65	\$10.10	Hive Body Wired	\$ .85
Illinois w/Wood Frames	\$19.35	\$18.60	\$17.85	\$17.10	Illinois Wired	\$ .55
Illinois w/Plastic Frames	\$26.45	\$25.40	\$24.40	\$23.40	Shallow Wired	\$ .51
Shallow Super	\$11.35	\$10.80	\$10.30	\$9.80	Illinois Cut Comb	\$ .50
Shallow w/ Wood Frames	\$18.95	\$18.20	\$17.50	\$16.80	Shallow Thin Surplus	\$ .35
Telecovers	\$17.00				Ross Round Section	\$ .25
Inner Covers	\$7.75					
Top Feeders	\$12.00					
Slatted Racks	\$12.00					
Bottom Boards	\$12.00	\$11.25				
Screened Bottom Board	\$15.50	\$14.75				
Bottom Board Screen Insert	\$14.00					
Frames	1-49	50-99	100-499	500 & UP	Equipment	
Hive Body Frames	\$0.80	\$0.76	\$0.72	0.69	SS Smoker 4x10	\$40.00
Illinois Frames	\$0.80	\$0.76	\$0.72	0.69	Folding Veil	\$16.25
Shallow Frames	\$0.80	\$0.76	\$0.72	0.69	Plastic Helmet	\$9.00
					Zipper Veil Suit	\$69.00
					Leather Gloves	\$15.00
					Wood Queen Excluder	\$9.50
					Metal Queen Excluder	\$9.00
					Bee Brush	\$4.50
					Hive Tool	\$6.50
					Maxant Hooked Hive Tool	\$11.25
					Frame Grip	\$12.50
					9 Frame Spacer	\$ .45
					Entrance Feeder	\$3.25
					1 1/2" Plastic Gate	\$12.00
					Cappings Scratcher	\$8.00
Pierco Products	1-49	50-100	101-1000	>1000		
Hive Body Waxed Snap-In	\$0.89	\$0.86	\$0.83	\$0.79		
Illinois Waxed Snap-In	\$0.81	\$0.78	\$0.75	\$0.72		
Hive Body Waxed Frame	\$1.64	\$1.58	\$1.52	\$1.46		
Illinois Super Waxed Frame	\$1.55	\$1.47	\$1.40	\$1.33		

We have all of your beekeeping needs in stock and available for pickup or shipment to you. So if you need any beekeeping supplies call, E-mail or (coming soon) check our website and we can give you prices or send you a complete price list.

Medications			
Check Mite+ [10 strip package]	\$32.00	Fumidil .5 Gram	\$8.00
Apigard (10 pack carton)	\$32.00		
<b>HB Hive Kit</b> [Includes Telecover, Inner Cover, 2-Hive Bodies w/ Wood Frames, & Bottom Board.] Just purchase the foundation of your choice.	\$82	<b>HB Hive Kit with Pierco plastic frames</b>	\$100
<b>ILL Hive Kit</b> [Includes Telecover, Inner Cover, 3-Illinois Supers w/Wood Frames, & Bottom Board.] Just purchase the foundation of your choice.	\$94	<b>ILL Hive Kit with Pierco plastic frames</b>	\$118
<b>HB Starter Kit</b> [Includes Telecover, Inner Cover, 2-Hive Bodies w/Frames, Bottom Board, Top Feeder, 20 Pierco Foundation, 4x10 SS Smoker, Folding Veil, Plastic Helmet, & Hive Tool]	\$183	<b>HB Starter Kit with Pierco plastic Frames</b>	\$183
<b>ILL Starter Kit</b> [Includes Telecover, Inner Cover, 3-Illinois Supers w/Frames, Bottom Board, Top Feeder, 30 Pierco Foundation, 4x10 SS Smoker, Folding Veil, Plastic Helmet, & Hive Tool]	\$201	<b>ILL Stater Kit with Pierco Plastic frames</b>	\$201

### PACKAGE BEES - NUCS & QUEENS

As in previous years we will have 3-pound packages of bees available for purchase. The packages are made up with young high quality Italian bees. Packages received over the last 10 years, when installed on foundation and with proper care, drew out two hive bodies of wax and with a good honey flow one to three shallow supers of honey were harvested from these colonies.

The packages will be available for pickup on Saturday, April 14, 2007. A 3-pound package with an Italian queen is \$62.00 each or \$65.00 each with a Russian queen. Queens are also available for pickup the same day at \$13.50 each for Italian queens or \$15.75 each for Russian queens

**Package Bee orders MUST BE PLACED by MARCH 30, 2007.**

There will also be a limited number of 4 frame nucs available for pickup in early May with either Italian or Russian queens. The nucs are \$90.00 with a wooden nuc box and feeder included or the box and feeder may be returned for a \$5.00 refund.

Open Tuesdays & Thursdays 6-9 PM & Saturdays 8AM - 1PM March 1 through May 24, 2007

For other pickup days or times give us a call to make arrangements.

**PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE**

# Miller Bee Supply

**Dennis Miller**  
**12920 Eastern Ave.**  
**Baltimore, MD. 21220**  
**Phone: (410) 335-3424**  
**E-mail: [beeveil@hotmail.com](mailto:beeveil@hotmail.com)**

## **Spring 2007 Prices for Packaged Bees and Queens**

3LB ITALIAN BEES WITH QUEEN \$ 62.00  
4LB ITALIAN BEES WITH QUEEN \$ 69.00

EXTRA ITALIAN QUEENS.....\$ 15.00 EACH

3LB RUSSIAN BEES WITH QUEEN \$ 65.00  
4LB RUSSIAN BEES WITH QUEEN \$ 75.00

EXTRA RUSSIAN QUEENS .....\$ 18.00

QUEENS MARKED \$3.00 CLIPPED \$ 3.00

PICK-UP DATE AT MILLER BEE SUPPLY WILL BE APRIL 21<sup>st</sup>

**WE CARRY A FULL LINE OF BEE SUPPLIES**  
**<http://www.millerbeesupplies.com/>**

**2007 Catalogue**  
**Bee Supply Catalogue**



# Savor the Sweet Rewards of Beekeeping!

## A Fun Hobby For the Family

Educational  
Improve Your Garden Crops  
Can Be Done Almost Anywhere

Learn About Nature's Seasons and Cycles  
Enjoy your Own Home Harvested Honey!  
Keep Bees for Fun and Profit in You own  
Backyard

Experienced beekeepers will answer your questions about bees and beekeeping!  
How do you handle bees and not get stung?  
Where do you get bees and equipment?

How do bees make honey?  
Why do bees swarm?

Why are bees so important to one-third of the food we eat?  
Experienced Beekeepers will benefit too!  
Brush up on bee biology

Learn the latest management tips  
Make new beekeeping friends!

Introduce your family to the fascinating world of honeybees, their importance to our environment and our food supply. Bottle your own honey and prepare honey and beeswax gifts for friends and family. You don't have to become a beekeeper to learn about bees.

**Class begins March 22, 2007. Sign Up Now! Limited to 50 students.**

Class Dates: Thursdays, 7:30 - 9:30 PM, March 22 & 29, April 5 (7PM) & 12

Field Day: Saturday, April 14, 10:00 AM - 1:00 PM

**A complete hive with bees will be raffled off!** Door Prizes nightly!

**Location: Watkins Park Nature Center**, 301 Watkins Park Dr., Largo, Md. 1/2 mile south of Rt. 214 at the intersection with Route 193. Tel (301) 218-6702,

Our thanks to the Watkins Park Nature Center staff for their assistance.

**Cost** includes text, 1 year membership and newsletter: **Single \$30 Family \$35**

For details and registration, please contact:

David Morris 301-725-6185 bee-  
friend@verizon.net

Equipment will be available from

Sponsored by the  
Bowie-Upper Marlboro Beekeepers Association  
and the Watkins Park Nature Center

**Free State Bees (301) 580-9313**